



A photograph of a modern office interior. The space features a high ceiling with exposed concrete beams and a grid of square LED light fixtures. Large windows on the left side provide natural light. In the foreground, there are several large potted plants, including a prominent Ficus tree. A brown leather sofa with patterned cushions is visible on the right. The overall aesthetic is industrial and contemporary.

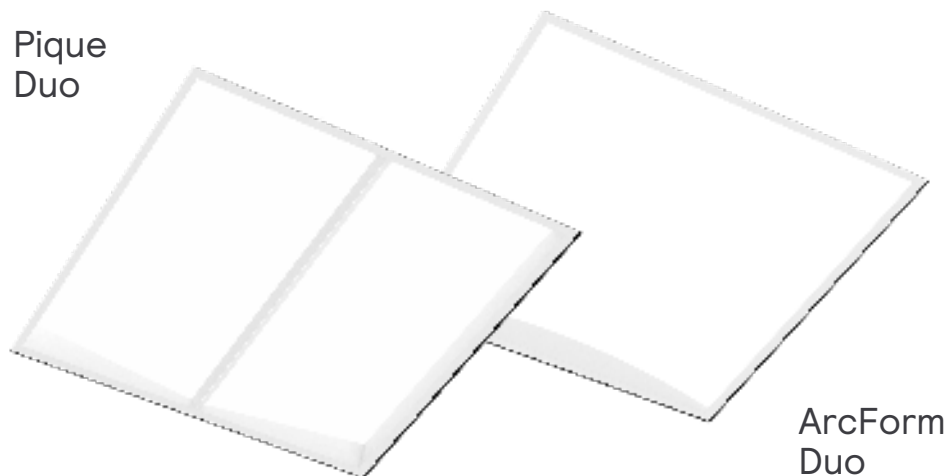
ArcForm Duo & Pique Duo

Application Guide

The new generation of Ledalite Architectural Recessed excellence

**The best mix of performance, options,
and aesthetics.**

With a wide range of standard lumen packages and two distinct optical options with the everyday Silk lens and the low glare MesoOptics lens. The Duo family of architectural recessed luminaires is a truly versatile lighting solution suitable for many applications and budgets.



Guide Introduction

- This application guide highlights the low power density and low Max/Min lighting ratios of the ArcForm Duo family in a variety of different on-center spacings, and ceiling heights as a quick reference to its superior performance.
- The Pique Duo family's photometric performance will in many cases perform within 5% of ArcForm Duo's photometric performance, including Watts per square foot (W/ft²) and Max/Min ratios.
- Both the Silk lens and MesoOptics lens perform well in both W/ft² and Max/Min footcandle ratios. When very low UGR* values are required, it is recommended that the MesoOptics lens is used which offers <16 UGR and <19 UGR* performance in a variety of commonly used specifications.

*Unified Glare Rating (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

IES & Photometry

Ledalite spec sheets include detailed photometry data for all sizes, lumen packages, and color temperatures.

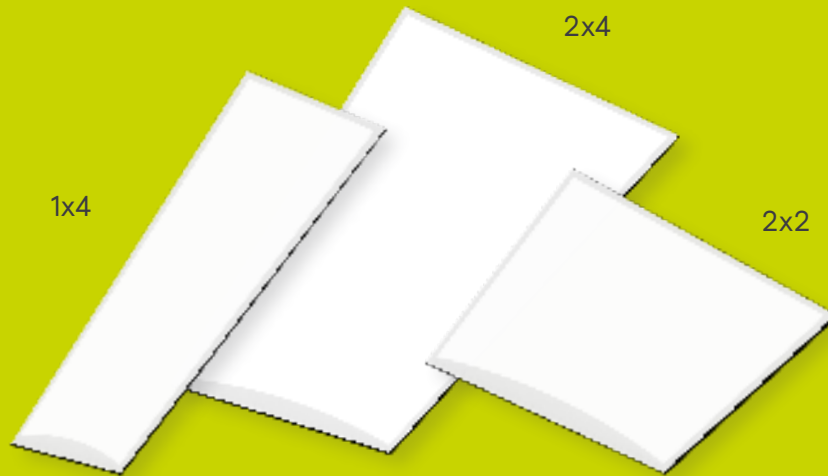
These data tables include hyperlinks to the relevant .ies files (IES) and detailed photometric reports (PDF) to let you meet your project requirements.

Lumen Package	Watts (W)	CANDLES				Intensity Report	IES
		1 ft	2 ft	3 ft	4 ft		
1000	37	474	28	22	PD-	ILS	
4500	38	434	121	22	PD-	IES	
4000	30	3900	82	2	PD-	IES	
5500	28	8428	53	2	PD-	IES	
6000	22	2842	24	20	PD-		
7000	17	2442	126	20	PD-		
8000	14	1842	100	20	PD-		

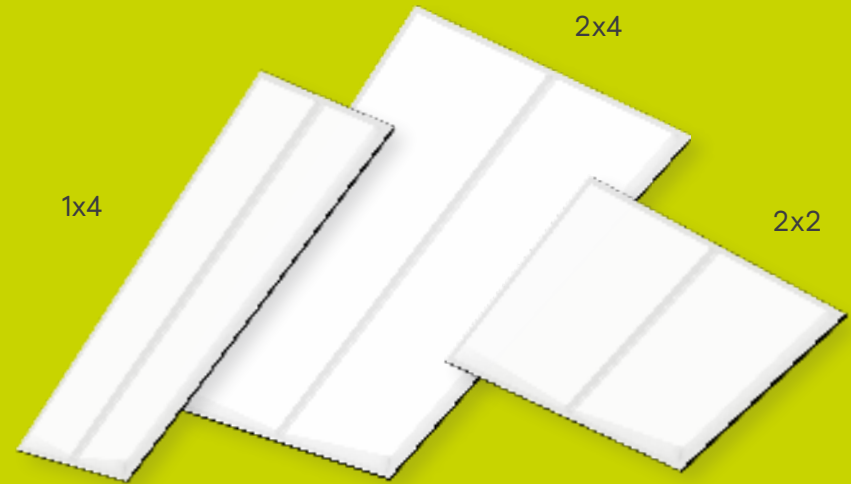




ArcForm Duo

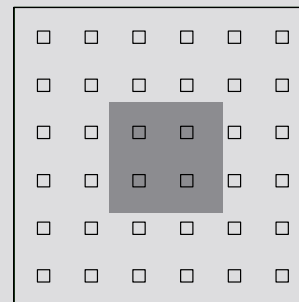


Pique Duo



ArcForm Duo 2x2

8'x8' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S22-30

Model#/IES File:
AF22xxSTL93530Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	45	45	44	
Max/Min Ratio	1.24	1.12	1.07	

W/ft ²	0.30
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M22-30

Model#/IES File:
AF22xxSTL93530Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	45	46	46	
Max/Min Ratio	1.22	1.08	1.07	

W/ft ²	0.31
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S22-40

Model#/IES File:
AF22xxSTL93540Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	60	60	59	
Max/Min Ratio	1.24	1.12	1.07	

W/ft ²	0.40
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M22-40

Model#/IES File:
AF22xxSTL93540Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	60	61	61	
Max/Min Ratio	1.22	1.08	1.07	

W/ft ²	0.41
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S22-50

Model#/IES File:
AF22xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	74	74	74	
Max/Min Ratio	1.24	1.12	1.07	

W/ft ²	0.51
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M22-50

Model#/IES File:
AF22xxSTL93550Qxxxxxx

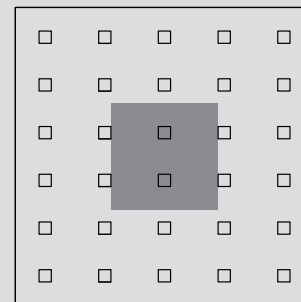
CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	75	76	75	
Max/Min Ratio	1.22	1.08	1.07	

W/ft ²	0.52
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ArcForm Duo 2x2

8'x10' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S22-30

Model#/IES File:
AF22xxSTL93530Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	37	36	36	
Max/Min Ratio	1.47	1.24	1.14	

W/ft ²	0.25
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M22-30

Model#/IES File:
AF22xxSTL93530Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	37	37	37	
Max/Min Ratio	1.60	1.29	1.12	

W/ft ²	0.26
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S22-40

Model#/IES File:
AF22xxSTL93540Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	49	48	48	
Max/Min Ratio	1.47	1.25	1.14	

W/ft ²	0.34
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M22-40

Model#/IES File:
AF22xxSTL93540Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	49	49	49	
Max/Min Ratio	1.60	1.28	1.12	

W/ft ²	0.35
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S22-50

Model#/IES File:
AF22xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	61	60	60	
Max/Min Ratio	1.47	1.25	1.14	

W/ft ²	0.42
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M22-50

Model#/IES File:
AF22xxSTL93550Qxxxxxx

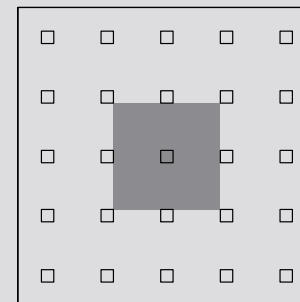
CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	61	61	61	
Max/Min Ratio	1.60	1.29	1.12	

W/ft ²	0.43
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ArcForm Duo 2x2

10'x10' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S22-30

Model#/IES File:
AF22xxSTL93530Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	30	30	30	
Max/Min Ratio	1.70	1.37	1.20	

W/ft ²	0.21
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M22-30

Model#/IES File:
AF22xxSTL93530Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	30	30	29	
Max/Min Ratio	1.98	1.44	1.20	

W/ft ²	0.22
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S22-40

Model#/IES File:
AF22xxSTL93540Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	40	39	39	
Max/Min Ratio	1.70	1.37	1.19	

W/ft ²	0.28
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M22-40

Model#/IES File:
AF22xxSTL93540Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	40	39	39	
Max/Min Ratio	1.98	1.44	1.20	

W/ft ²	0.29
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S22-50

Model#/IES File:
AF22xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	49	49	48	
Max/Min Ratio	1.70	1.37	1.19	

W/ft ²	0.35
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M22-50

Model#/IES File:
AF22xxSTL93550Qxxxxxx

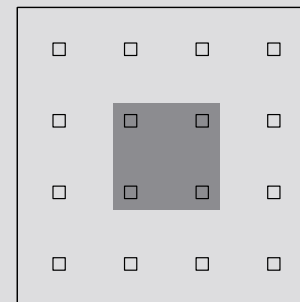
CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	49	49	49	
Max/Min Ratio	1.98	1.44	1.20	

W/ft ²	0.36
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ArcForm Duo 2x2

12'x12' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S22-30

Model#/IES File:
AF22xxSTL93530Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	23	22	21	
Max/Min Ratio	2.36	1.74	1.42	

W/ft ²	0.13
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M22-30

Model#/IES File:
AF22xxSTL93530Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	23	22	21	
Max/Min Ratio	2.90	1.97	1.49	

W/ft ²	0.14
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S22-40

Model#/IES File:
AF22xxSTL93540Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	30	29	28	
Max/Min Ratio	2.35	1.74	1.42	

W/ft ²	0.18
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M22-40

Model#/IES File:
AF22xxSTL93540Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	31	29	28	
Max/Min Ratio	2.89	1.97	1.49	

W/ft ²	0.18
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S22-50

Model#/IES File:
AF22xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	37	36	34	
Max/Min Ratio	2.36	1.75	1.42	

W/ft ²	0.23
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M22-50

Model#/IES File:
AF22xxSTL93550Qxxxxxx

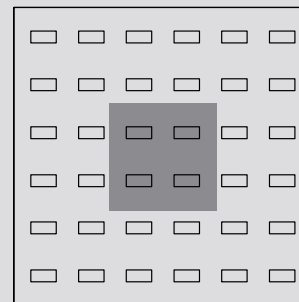
CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	39	37	35	
Max/Min Ratio	2.90	1.97	1.49	

W/ft ²	0.23
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ArcForm Duo 2x4

8'x8' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S24-40

Model#/IES File:
AF22xxSTL93530Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	60	60	59	
Max/Min Ratio	1.26	1.13	1.08	

W/ft ²	0.40
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M24-40

Model#/IES File:
AF22xxSTL93530Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	61	62	62	
Max/Min Ratio	1.19	1.07	1.07	

W/ft ²	0.40
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S24-50

Model#/IES File:
AF22xxSTL93540Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	75	75	74	
Max/Min Ratio	1.26	1.13	1.08	

W/ft ²	0.52
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M24-50

Model#/IES File:
AF22xxSTL93540Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	77	78	77	
Max/Min Ratio	1.19	1.07	1.07	

W/ft ²	0.51
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S24-60

Model#/IES File:
AF22xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	89	89	88	
Max/Min Ratio	1.26	1.13	1.08	

W/ft ²	0.63
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M24-60

Model#/IES File:
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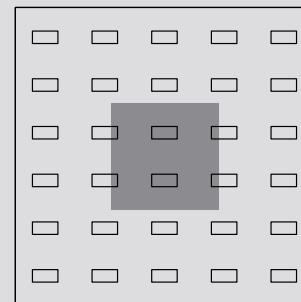
CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	92	93	92	
Max/Min Ratio	1.19	1.07	1.07	

W/ft ²	0.63
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ArcForm Duo 2x4

8'x10' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S24-40

Model#/IES File:
AF24xxSTL93540Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	49	48	48	
Max/Min Ratio	1.49	1.26	1.14	

W/ft ²	0.34
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M24-40

Model#/IES File:
AF24xxSTL93540Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	50	50	50	
Max/Min Ratio	1.53	1.23	1.09	

W/ft ²	0.33
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S24-50

Model#/IES File:
AF24xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	61	61	60	
Max/Min Ratio	1.49	1.26	1.15	

W/ft ²	0.43
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M24-50

Model#/IES File:
AF24xxSTL93550Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	63	63	62	
Max/Min Ratio	1.53	1.23	1.09	

W/ft ²	0.43
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S24-60

Model#/IES File:
AF24xxSTL93560Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	73	72	72	
Max/Min Ratio	1.49	1.26	1.15	

W/ft ²	0.53
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M24-60

Model#/IES File:
AF24xxSTL93560Qxxxxxx

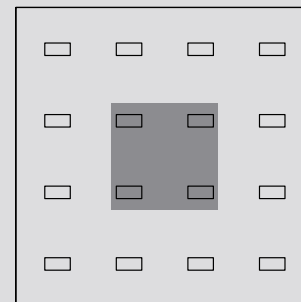
CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	75	75	74	
Max/Min Ratio	1.53	1.23	1.09	

W/ft ²	0.52
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ArcForm Duo 2x4

12'x12' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S24-50

Model#/IES File:
AF24xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	38	36	35	
Max/Min Ratio	2.41	1.78	1.45	

W/ft ²	0.23
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M24-50

Model#/IES File:
AF24xxSTL93550Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	39	37	36	
Max/Min Ratio	2.81	1.91	1.43	

W/ft ²	0.23
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S24-60

Model#/IES File:
AF24xxSTL93560Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	45	43	41	
Max/Min Ratio	2.42	1.78	1.45	

W/ft ²	0.28
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M24-60

Model#/IES File:
AF24xxSTL93560Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	47	45	43	
Max/Min Ratio	2.81	1.91	1.43	

W/ft ²	0.28
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S24-70

Model#/IES File:
AF24xxSTL93570Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	52	50	48	
Max/Min Ratio	2.41	1.78	1.45	

W/ft ²	0.33
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M24-70

Model#/IES File:
AF24xxSTL93570Qxxxxxx

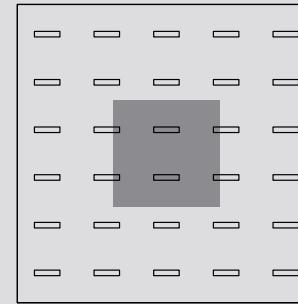
CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	55	52	49	
Max/Min Ratio	2.81	1.91	1.44	

W/ft ²	0.33
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ArcForm Duo 1x4

8'x10' on Center



Application Room

20'x20' calculation zone in a 50'x50 room

Reflectances Work Plane

Ceiling	80%	2'-6" A.F.F.
Walls	50%	
Floor	20%	

S14-30

Model#/IES File:
AF14xxSTL93530Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	37	36	36	
Max/Min Ratio	1.48	1.25	1.14	

W/ft ²	0.26
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M14-30

Model#/IES File:
AF14xxSTL93530Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
3000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	37	37	37	
Max/Min Ratio	1.65	1.25	1.09	

W/ft ²	0.26
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S14-40

Model#/IES File:
AF14xxSTL93540Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	49	49	48	
Max/Min Ratio	1.48	1.25	1.14	

W/ft ²	0.35
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M14-40

Model#/IES File:
AF14xxSTL93540Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
4000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	49	49	49	
Max/Min Ratio	1.65	1.25	1.10	

W/ft ²	0.35
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S14-50

Model#/IES File:
AF14xxSTL93550Axxxxxx

CRI/CCT:
CRI 90+, 3500K

Silk				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	61	61	60	
Max/Min Ratio	1.48	1.25	1.14	

W/ft ²	0.45
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M14-50

Model#/IES File:
AF14xxSTL93550Qxxxxxx

CRI/CCT:
CRI 90+, 3500K

MesoOptics				
5000lm nominal				
Ceiling Height	8'	9'	10'	
Avg. Footcandle	61	61	61	
Max/Min Ratio	1.65	1.25	1.09	

W/ft ²	0.45
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